

DOCKET 13499US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: KHVOROVA *et al.* Examiner: To be assigned  
Serial No.: 10/714,333 Group Art Unit: 1646  
Filed: November 14, 2003  
For: Functional and Hyperfunctional siRNA  
Customer No.: **23719**

Kalow & Springut LLP  
488 Madison Avenue, 19th Floor  
New York, New York 10022

April 22, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

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In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, Applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of cited references are enclosed). As to any reference supplied, Applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with Applicants' duty to disclose all information of which they are aware and believe relevant to the examination of the above-identified application, Applicants believe that their invention is patentable.

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(Signature)

TOR SMELAND

(Printed Name of Person Signing Certificate)

22 APRIL 2005

(Date)

### **NON PATENT PUBLICATIONS**

- CHALK, A.M et al. (2005) siRNadb: a database of siRNA sequences. *Nucleic Acids Res.* 33:D131-134
- CHI, J.-T. et al. (2003) Genomewide view of gene silencing by small interfering RNAs. *Proc. Natl. Acad. Sci. USA* 100/11:6343-6346.
- FAR, R. K.-K. et al. (2003) The activity of siRNA in mammalian cells is related to structural target accessibility: a comparison with antisense oligonucleotides. *Nucleic Acids Res.* 31/15:4417-4424.
- KHVOROVA, A. et al. (2003) Functional siRNAs and miRNAs Exhibit Strand Bias. *Cell* 115:209-216.
- KUMAR, R. et al. (2003) High-Throughput Selection of Effective RNAi Probes for Gene Silencing. *Genome Res.* 13:2333-2340.
- LEVENKOVA, N. et al. (2004) Gene specific siRNA selector. *Bioinformatics* 20/3:430-432.
- NAITO, Y. et al. (2004) siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference. *Nucleic Acids Res.* 32:W124-W129.
- REYNOLDS, A. et al. (2004) Rational siRNA design for RNA interference. *Nature Biotechnology* 22/3:326-330.
- SEMIZAROV, D. et al. (2003) Specificity of short interfering RNA determined through gene expression signatures. *Proc. Natl. Acad. Sci. USA* 100/11:6347-6352.

TRUSS, M. et al. (2005) HuSiDa - the human siRNA database: an open-access database for published functional

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YUAN, B. et al. (2004) siRNA Selection Server: an automated siRNA oligonucleotide prediction server. Nucleic Acids Res. 32:W130-W134.

Because no action has been taken on the merits, Applicants submit that no fee is due at this time. However, if a fee is deemed necessary, please charge Deposit Account No. 11-0171.

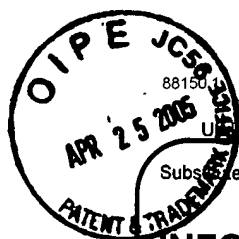
Respectfully submitted,



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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

## **Complete if Known**

Application Number	10/714,333
Filing Date	November 14, 2003
First Named Inventor	KHVOROVA, Anastasia
Art Unit	1646
Examiner Name	To be assigned
Attorney Docket Number	13499 US

Sheet 1 of 2

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CHALK, A.M et al. (2005) siRNAdb: a database of siRNA sequences. Nucleic Acids Res. 33:D131-134	
		CHI, J.-T. et al. (2003) Genomewide view of gene silencing by small interfering RNAs. Proc. Natl. Acad. Sci. USA 100/11:6343-6346.	
		FAR, R. K.-K. et al. (2003) The activity of siRNA in mammalian cells is related to structural target accessibility: a comparison with antisense oligonucleotides. Nucleic Acids Res. 31/15:4417-4424.	
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Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/714,333
		Filing Date	November 14, 2003
		First Named Inventor	KHVOROVA, Anastasia
		Art Unit	1646
Examiner Name	To be assigned		
Sheet 2 of 2	Attorney Docket Number	13499 US	

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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